

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
7 July 2005 (07.07.2005)

PCT

(10) International Publication Number
WO 2005/060954 A1

(51) International Patent Classification⁷: **A61K 31/202**,
31/557, A23L 1/307, A61P 3/04

(21) International Application Number:
PCT/IB2004/004178

(22) International Filing Date:
17 December 2004 (17.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0303513-6 19 December 2003 (19.12.2003) SE
60/530,644 19 December 2003 (19.12.2003) US

(71) Applicant (for all designated States except US):
PRNOVA BIOCARE AS [NO/NO]; P.O. Box 420,
N-1327 Lysaker (NO).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BRYHN**,
Morten [NO/NO]; Storgaten 43, N-3060 Svelvik (NO).
KOPECKY, Jan [CZ/CZ]; Rozsirena 23, 182 00 Praha 8
(CZ).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report
— before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: USE OF A FATTY ACID COMPOSITION COMPRISING AT LEAST ONE OF EPA AND DHA OR ANY COMBI-
NATIONS THEREOF

(57) Abstract: This invention relates to a method for treatment and prevention of obesity, an overweight condition or for control-
ling body weight reduction, wherein an effective amount of a fatty acid composition comprising at least one of (all-Z omega³)-
5,8,11,14,17-eicosapentaenoic acid (EPA) and (all-Z omega³)-4,7,10,13,16,19-docosahexaenoic acid (DHA) or any combinations
thereof, is administered to a human or an animal. The present invention also relates to use of the fatty acid composition above for
manufacture of a medicinal product for controlling body weight reduction, and for treatment and prevention of obesity or an over-
weight condition. Moreover, the present invention also relates to use of a fatty acid composition comprising at least one of EPA
and DHA or any combinations thereof, for the manufacture of a food stuff or food supplement for controlling and supporting body
weight reduction and for prevention of body weight gain. Additionally, the present invention also includes a dietary product con-
taining a fatty acid composition comprising at least one of EPA and DHA or any combinations thereof, for non-medical treatment of
obesity, an overweight condition and/or for supporting and controlling body weight reduction. Finally, the present invention relates
to a method for supplementing a dietary product with a fatty acid composition mentioned above.



WO 2005/060954 A1